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No.118 position mutation of Bacillus subtilis alkaline protease and its thermal stable enzyme

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Patent Number(s): ~CN1113953-A

Inventor(s): ZHU L, CHAO Y, ZHAO Y

Patent Assignee(s) and Codes(s): INST BIOPHYSICS CHINESE ACAD SCI (BIOP-Non-standard)

Derwent Primary Accession Number: 1997-416319 []

Abstract: Mutation on the 118th position of Bacillus subtilis basic proteinase the 118th asparagine is substituted by serine: Asn (118) ser, after mutation the gene expressing product is a kind of proteinase, which is different from the natural Bacillus subtilis basic proteinase: the thermal stability of the former is much higher than the latter, thus overcoming the inactivation while heating shortage of natural basic proteinase which is used as one component of detergent for tannery and the industry for cleaning the protein dirt.

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International Patent Classification: C12N-009/56; C12N-015/55

Derwent Class Code(s): D16 (Fermentation industry); D25 (Detergents other than soap)

Derwent Manual Code(s): D05-A02C; D11-B02

Patent Details:

Patent Number	Publ. Date	Main IPC	Week	Page Count	Language
~CN1113953-A	27 Dec 1995	C12N-015/55	199739		

Application Details:

~CN1113953-A | CN105878 | 01 Jun 1994

Priority Application Information and Date:

CN105878 | 01 Jun 1994

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